

Supplementary Figures

Fig 1. Comparison between DL-1 and CBS4732 of Hansenula polymorpha

HpOch2p_DL1	1	MVYFLNFM SITNV PVLKRARLYVATNRRLV VVL VVLLYVVVQNVWVWSPGTRDIAQVDAKITEAEILNSNLH
HpOch2p_CBS	1	MVYFLNFM SITNV PVLKRARLYVATNRRLV VVL VVLLYVVVQNVWVWSPGTRDIAQVDAKITEAEILNSNLH
HpOch2p_DL1	71	TEGAHLRHINRLPAESATLREKLTFYFPYYPEKPVPNQI WOTMKV DILEDDDNFPKOYRREFQKTRWVEKNPDY
HpOch2p_CBS	71	TEGAHLRHINRLPAESATLREKLTFYFPYYPEKPVPNQI WOTMKV DILEDDDNFPKOYRREFQKTRWVEKNPDY
HpOch2p_DL1	141	VYHLIPDSVTEDEVASLYANVPEVVRAYQLLPKNIMKADEFERYLWYARGGTYSDMDTVCLKPIKDMATF
HpOch2p_CBS	141	VYHLIPDSVTEDEVASLYANVPEVVRAYQLLPKNIMKADEFERYLWYARGGTYSDMDTVCLKPIKDMATF
HpOch2p_DL1	211	DRDLIHAADNKAIDL S QIDPEARTTPVGLVIGIEADPDRPDWHEWFSRRLQFCQWTQAKPGHPILRELII
HpOch2p_CBS	211	DRDLIHAADNKAIDL S LIDPEARTTPVGLVIGIEADPDRPDWHEWFSRRLQFCQWTQAKPGHPILRELII
HpOch2p_DL1	281	RIVEETFRKQHMGVLKRVEGKDSGADIMQWTGPGLFTD TLF DYLINNVA SDGKLGDGYGVGSILWRYHGKY
HpOch2p_CBS	281	RIVEETFRKQHMGVLKRVEGKDSGADIMQWTGPGLFTD TLF DYLINNVA SDGKLGDGYGVGSILWRYHGKY
HpOch2p_DL1	351	KLKKTE ICKNNEPLHSEDQQLINWRSLTNMMDPKIMGDVMVLPITSFSPNVGHMGSKSSSDRLAFVEHLSF
HpOch2p_CBS	351	KLKKTE ICKNNEPLHSEDQQLINWRSLTNMMDPKIMGDVMVLPITSFSPNVGHMGSKSSSDRLAFVEHLSF
HpOch2p_DL1	421	GSMWKPKNK
HpOch2p_CBS	421	GSMWKPKNK

Fig 2. Vector with golgi targeting domain of yeast and N-acetylglucosaminyl transferase activity domain (A) and Expression thereof (B)

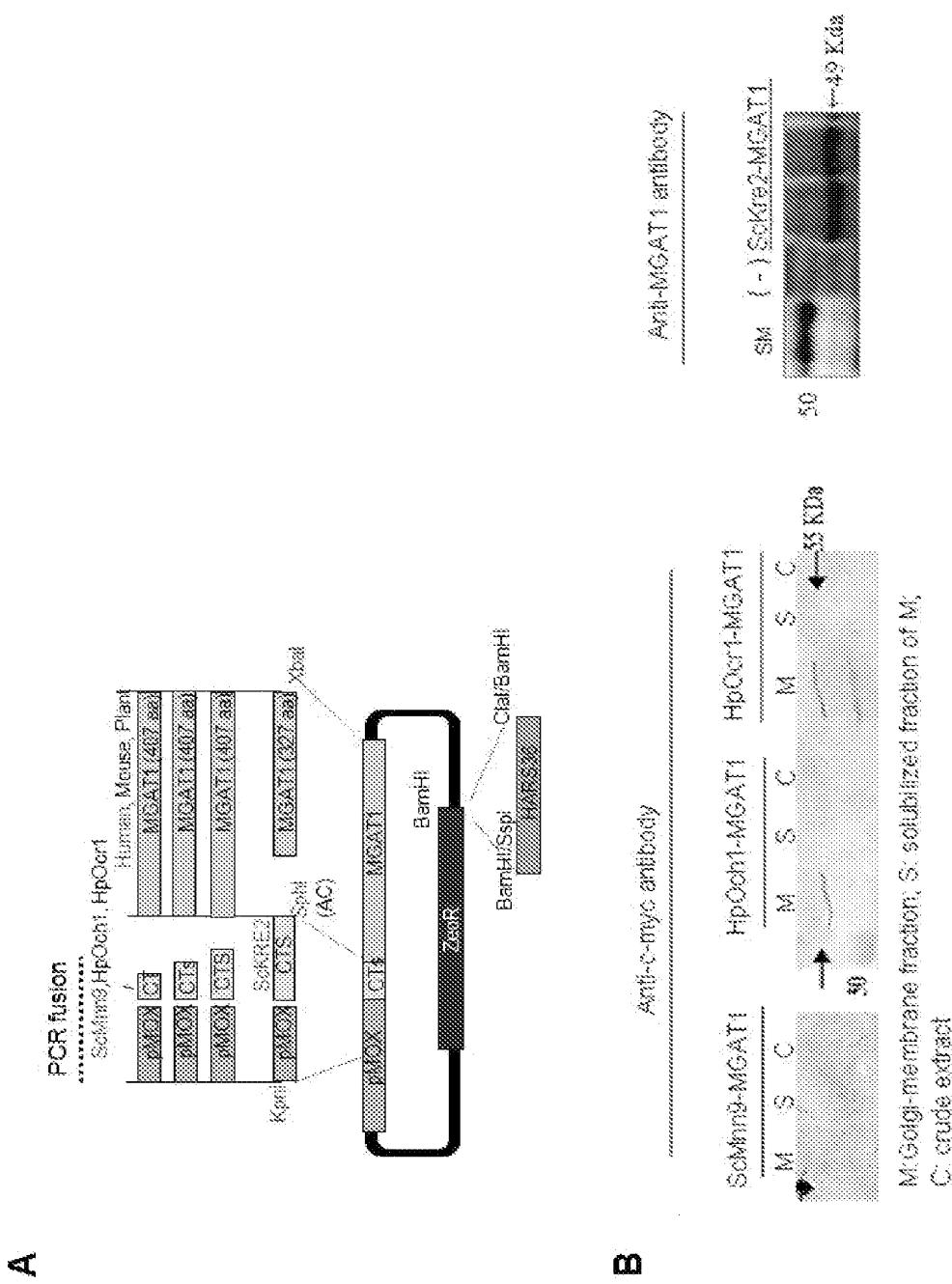


Fig 3. Analysis of Sugar-chain structure of *Hansenula polymorpha* adding N-acetylglucosamine using Capillary electrophoresis (CE)

